



Nikiski Bay and OSK dock, 40&41-S, viewed from the southwest.



The Drift River Terminal, 08-D, viewed from the southeast.



Tyonek Dock, 21-L, viewed from the east.

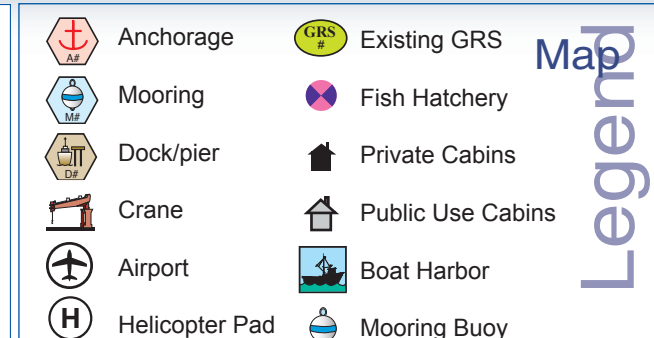
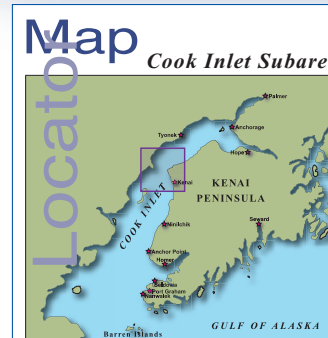
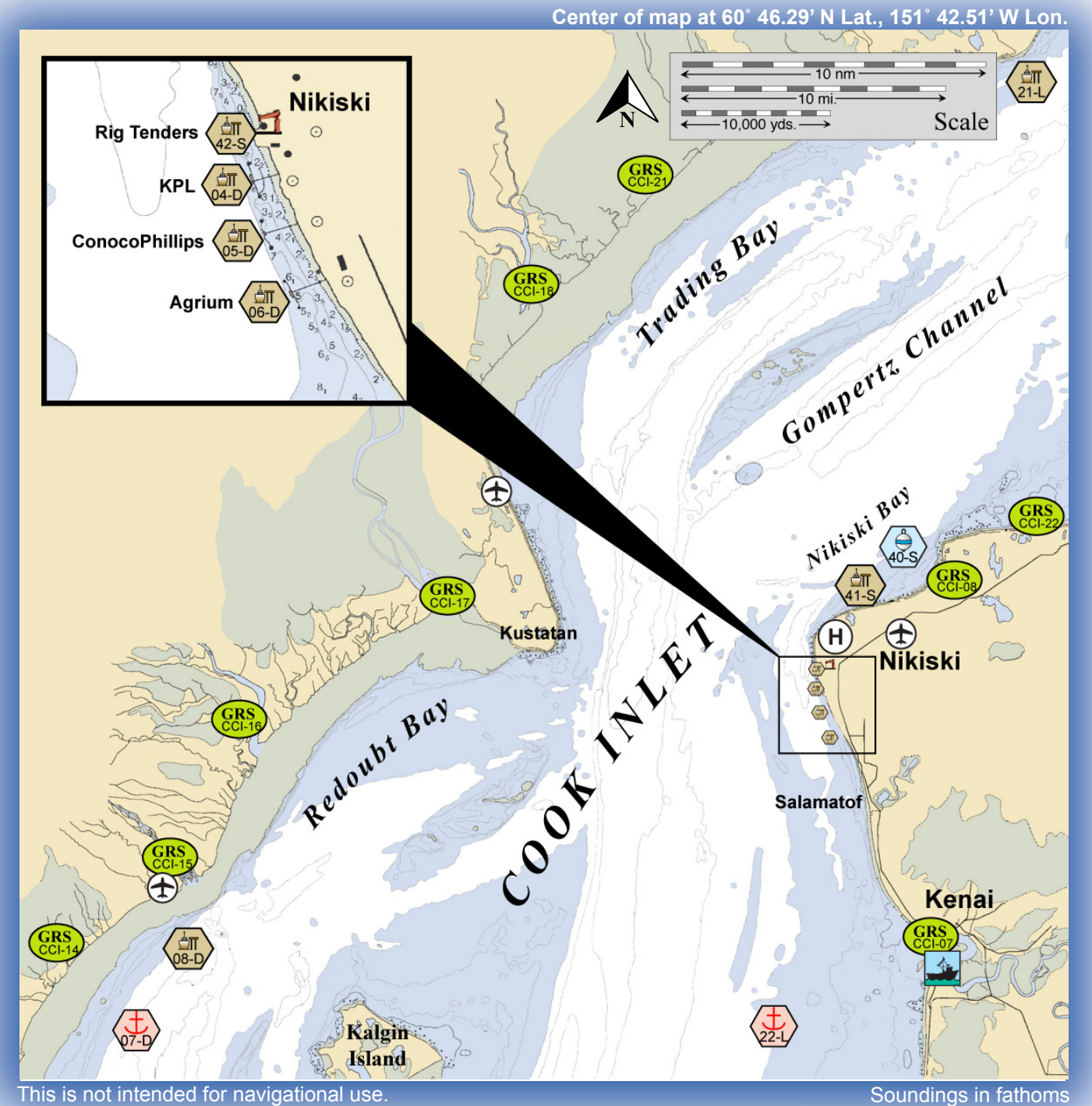


The Port of Nikiski, 04-06-D, and the general area of the Light Point Anchorage, 22-L, viewed from the northeast.



The Port of Nikiski, 04-06-D, viewed from the southwest.

# Potential Places of Refuge for Cook Inlet Subarea



## Cook Inlet PPOR Map 02



COOK INLET PPOR-02 Central Area – Physical and Operational Characteristics										
	Nikiski-Kenai Pipeline Co. Dock	Nikiski-LNG Dock	Nikiski-Agrium Dock	Redoubt Bay-Anchorage	Drift River Terminal/Christie Lee Platform	Tyonek Dock	Light Point Anchorage	Nikiski Bay	OSK Dock	Rig Tender Dock
ID Number	04-D	05-D	06-D	07-D	08-D	21-L	22-L	40-S	41-S	42-S
Location	60°40.96N 151°23.94W	60°40.65N 151°23.81W	60°40.27N 151°23.50W	60°29.95N 152°11.32W	60°33.23N 152°08.16W	61°02.54N 151°09.79W	60°29.06N 151°28.40W	60°45.70N 151°16.97W	60°44.45N 151°18.71W	60°41.22N 151°23.95W
Maximum Vessel Size	Deep draft, greater than 20,000 Gross Tons					Light draft, up to 20,000 Gross Tons		Shallow draft, 300 Gross Tons and less		
Type of Berthing	Dock			Anchorage	Dock		Anchorage-likely to drag anchor	Mooring	Dock-tidally limited	
Contact	Facility Manager 907.776.8333	Operations Manager 907.776.5413	Operations Manager 907.776.8121	NA	Facility Manager 907.776.8929	Tyonek Native Corp. 907.272.0707	NA	CISPRI Operations 907.776.5129	Dock Manager 907.776.5551	Dock Manager 907.776.5551
Navigational Approach	Approach from NW,W,S			Approach from the S, E	Approach from the S,E,NE	Approach from the S	Approach from the S,E,N	Approach from the N,W	Approach from the N	Approach from NW,W,S
Minimum Water Depth	42 feet on approach			32 feet on E. approach, 36 feet in swing area	54 feet at face	21 feet at dock face	27 feet in the swing area	13 feet in the swing area	13 feet at dock face	32 feet at dock face
Maximum Water Depth	42 feet at the dock face	49 feet at the dock face	49 feet at the dock face	54 feet in the swing area	54 feet at face	21 feet at dock face	27 feet in the swing area	54 feet in the swing area	13 feet at dock face	32 feet at dock face
Maximum Vessel Draft	40 ft.	45 ft.	45 ft.	35 ft.	45 ft.	18 ft.	20 ft.	10 ft.	10 ft.	10 ft.
Swing Room/Dock Face	1310 ft.	1050 ft.	1135 ft.	6000 ft.	830 ft.	1000 ft.	3600 ft.	1100 ft.	400 ft.	600 ft.
Bottom Type	NA			Rocky	NA	NA	Silt, Gravel	Sand	NA	
Docks/Piers	Nearest Alt. Dock- PPOR-02-05-D-Nikiski LNG Dock	Nearest Alt. Dock- PPOR-02-04-D-Nikiski Refinery Dock	Nearest Alt. Dock- PPOR-02-05-D-Nikiski LNG Dock	Nearest Alt. Dock- PPOR-02-08-D-Drift River Terminal	Nearest Alt. Dock- PPOR-02-04-D-Nikiski Refinery Dock			Nearest Alt. Dock- PPOR-02-41-S OSK Dock	Nearest Alt. Dock- PPOR-02-42-S-Rig Tender Dock	Nearest Alt. Dock- PPOR-02-41-S-OSK Dock
Moorings	Nearest Mooring PPOR-03-09-D Kachemak Bay Mooring #1								Nearest Mooring- PPOR-02-40-S Nikiski Bay	
Anchorage	Nearest Anchorage PPOR-02-07-D Redoubt Bay Anchorage			Nearest Alt.Anchorage PPOR-01-03-D Knik Arm Anchorage	Nearest Anchorage PPOR-02-07-D Redoubt Bay Anchorage					
Prevailing Winds	Winter-northerly, Summer-southerly, southeasterly									
Currents	This area contain very strong alongshore currents									
Tides	Mean High Water- 19.8 (Higher- 20.5) , Mean Low Water- 2.1 (Lower- -6.0)			Mean High Water- 17.4 (Higher- 18.1) , Mean Low Water- 2.0 (Lower- -6.0)				Mean High Water- 19.8 (Higher- 20.5) , Mean Low Water- 2.1 (Lower- -6.0)		
Sea Conditions	Exposed to S-NE swell			Exposed to S swell	Exposed to S,NE swell	Exposed to swell from the SW & N		Exposed to SE-N swell	Exposed to W-E swell	Exposed to S-NE swell
Shelter from Severe Storms	Sheltered from N,E storms			Sheltered from N storms	Minimal protection	Sheltered from storms from the W		Sheltered from S,E storms	Sheltered from S storms	Sheltered from N,E storms
Fog	Fog can occur during all seasons.									
Sea ice	Large pan ice conditions can occur from November-March									

COOK INLET PPOR-02 Central Area Stakeholders		COOK INLET PPOR-02 Central Area – Site Considerations										
Landowner (yr-2007)	Contact		Nikiski-Kenai Pipeline Co. Dock	Nikiski-LNG Dock	Nikiski- Agrium Dock	Redoubt Bay- Anchorage	Drift River Terminal/ Christie Lee Platform	Tyonek Dock	Light Point Anchorage	Nikiski Bay	OSK Dock	Rig Tender Dock
Kenai Peninsula Borough	Mayor	ID Number	04-D	05-D	06-D	07-D	08-D	21-L	22-L	40-S	41-S	42-S
Alaska Department of Natural Resources	Natural Resource Manager	Human Health & Safety										
Alaska Dept of Fish and Game	Regional Supervisor	Communities – distances-nm	Nikiski- 0.0			Nikiski-26, Kenai-27	Nikiski-23, Kenai-24	Tyonek-1.5, Anchorage-28	Kenai-8	Nikiski- 0.5	Nikiski- 0.0	
Tyonek Native Corporation	Chief Executive Officer	Natural Resource Considerations										
Salamatof Native Association	President	Fish & Wildlife	Shorebirds, eagle nesting, beluga whales			Salmon spawning, harbor seals, beluga whales, waterfowl and shorebird concentrations			Shorebirds, eagle nesting, beluga whales			
Native Allotments	Dept. of the Interior- Regional Environmental Officer	Threatened & Endangered Species	Cook Inlet Beluga Whales are a "Species of Concern" (yr 2007)									
Private Landowners- contact Alaska State Lands Recorder Office	Kenai District Recorder	Sensitive Areas	None in the immediate area.			Area designated as a State Critical Habitat Area- Redoubt Bay		Adjacent to State Critical Habitat Area-Kalgin Island		None in the immediate area.		
Other Stakeholder Considerations												
		Fisheries	Salmon set net, ground fish									
		Historic Properties	If suspected cultural artifacts are encountered, notify the State Historic Preservation Office and the land managers. Review adjacent GRS (if applicable) for information on historic properties.									
		Mariculture	None									
		Subsistence	None			Salmon, intertidal harvest, seals			None			
		Tourism/Recreation	No			High recreational use area- sport fishing, hunting			No			
		Waterfront Public Facilities/Parks	None			Alaska State Critical Habitat Area nearby			None			
		Waterfront Private Facilities	None									
Response and Salvage Resource Considerations												
		Ability to Boom Vessel	No- high currents in area									
Site ID Number and Vessel Size Classification		Geographic Response Strategies	None in the immediate area			CCI-14,15,16		CCI-19	None in the immediate area			
D = Deep Draft Vessel, greater than 20,000 GT		Closest Alternative Places of Refuge (same sized vessel)	PPOR 02-05-D Nikiski-LNG Dock: 0.4 nm.	PPOR 02-04-D Nikiski-KPL Dock: 0.4 nm.	PPOR 02-04-D Nikiski-KPL Dock: 0.5 nm.	PPOR 02-08-D Drift River Terminal: 4 nm	PPOR 02-07-D Redoubt Bay Anchorage: 4 nm	PPOR 02-22-L Light Point Anchorage: 35 nm	PPOR 02-21-L Tyonek Dock: 35 nm	PPOR 02-41-S OSK Docks: 0.5 nm	PPOR 02-40-S: Nikiski Bay Mooring: 0.5 nm	PPOR 02-40-S: Nikiski Bay Mooring: 7 nm
L = Light Draft Vessel, up to 20,000 GT												
S = Shallow Draft Vessel, 300 GT and less												